Symposium Registration

Conference participants can register online by March 16, 2001 at:

http://orbit35i.nesdis.noaa.gov/orad/sarconference/

For problems or questions contact Karen Friedman:

NOAA, E/RA3, WWBG, Rm. 102
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Camp Springs, MD 20746 USA
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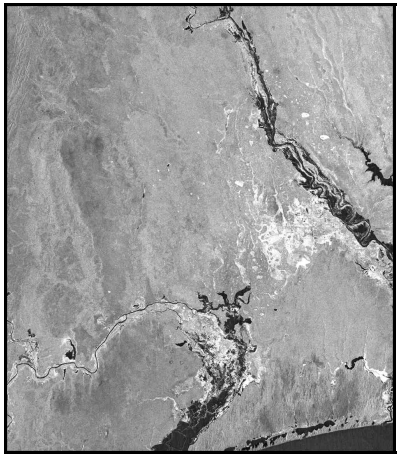
Website will be updated periodically with current information.



Flooding in Mozambique © CSA 2000

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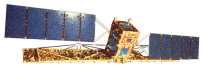

RADARSAT-1 Mosaic of the Contiguous USA © CSA

U.S. Government Synthetic Aperture Radar (SAR) Users Symposium

March 28-29 , 2001
Canadian Embassy
501 Pennsylvania Avenue, N.W.
Washington DC

http://orbit35i.nesdis.noaa.gov/orad/sarconference/

Symposium Invitation

Invitation: The National Oceanic and Atmospheric Administration (NOAA) and the Canadian Space Agency (CSA) are pleased to invite you to the US Government Synthetic Aperture Radar (SAR) Users Symposium to be held at the Canadian Embassy in Washington DC, 28-29 March 2001.

Symposium Goals: The goals of this symposium are: (1) to assess our progress in developing practical products and services using satellite SAR data, (2) to understand how these data can be obtained by US Government agencies and others for exploratory or routine use, and (3) to preview potential products and services expected in the near future.

Who should attend: This symposium is designed for US Government managers and scientists and their private sector and academic partners working with environmental issues or providing environmental services. Registration priority will be given to this audience; however, others interested in the symposium topics are welcome, space permitting, on a first-come, first-served basis.

Registration and Symposium Details: There is no registration fee. Since space is limited, please register on-line as soon as possible and before the March 16 registration deadline. A preliminary symposium agenda follows, and continually updated information about the symposium location, hotel accommodations, registration, agenda details, and sponsors and exhibitors can be found on the symposium web site.

Symposium Background: Today's headlines inform us of an alarming number of natural and human induced disasters worldwide — floods in India, earthquakes in El Salvador, an oil spill in the Galapagos, volcanic eruptions in Alaska, a hurricane hitting Puerto Rico. One modern scientific tool demonstrates promise in monitoring or helping in the response to all these environmental hazards — spaceborne synthetic aperture radar (SAR). SAR is an active radar remote-sensing method capable of providing all-weather, day/night, high-resolution imagery of surface roughness and changes in land features. SAR instruments are also well suited to a wide variety of practical applications in oceanography, meteorology, hydrology, forestry, geology, glaciology, agriculture, and archeology. For over a decade, SAR data have been used in research and applications demonstrations. Now we are at a crossroads. Continuation of current SAR missions (e.g., the Canadian RADARSAT and the European ERS-2), augmented by new international government and commercial SAR satellite missions to be launched in the next few years, will make this type of data available in sufficient quantities to be used in the daily missions of many US environmental agencies.

Preliminary Symposium Program

Day 1

08:00 Registration

08:30 Welcome to Participants - Canadian Embassy Representative
08:45 Welcome - Helen Wood (NOAA), Rolf Mamen (CSA)
09:00 Logistics and Introductions - Organizing Committee
09:15 Overview/ Goals and Objectives - Helen Wood (NOAA)
09:30 Historical Overview of SAR - Robert Winokur (Earth Satellite Corp.)
09:45 Overview of Spaceborne SAR programs - Surendra Parashar (CSA)

10:05 EXHIBITS and COFFEE BREAK

Session 1: Current and Future SAR Satellite Systems- How do you get the data?

Chairs: Helen Wood (NOAA) and Rolf Mamen (CSA)

10:40 Session Introduction
10:50 NASA – Research Data Access
11:00 RADARSAT-1
11:15 RADARSAT-2
11:30 ERS-2/ENVISAT
11:50 ALOS
12:10 International Charter - Space and Major Disasters
12:15 NIMA Commercial Imagery

12:35 LUNCH (sponsored by CSA)

Session 2: Ocean Applications

Chairs: Cheryl Bertoia (NIC) and Paris Vachon (CCRS)

2:00 U.S. and Canadian Ice Applications
2:20 NOAA Alaska SAR Demonstration
2:40 Tromso Satellite Station Operational Applications
3:00 USCG Applications

3:20 EXHIBITS and COFFEE BREAK

4:00 Oil Seeps and Ocean Current Mapping
4:20 Meteorological Applications
4:40 Hurricane Watch

5:30 Reception (sponsored by CSA)

DAY 2

Session 3: Topography and Surface Change Mapping With SAR

Chairs: Earnest Paylor (NASA) and Ahmed Mahmood (CSA)

8:30 SRTM
8:50 ASF Mapping Missions
9:10 Large Area Mosaic Snapshots

9:30 EXHIBITS and COFFEE BREAK

10:10 Topographic Change Detection for Deformation
10:30 Earth Surface Changes
10:50 Geologic Mapping of Large Areas
11:10 Stereo Mapping

11:30 LUNCH (no host)

Session 4: Land/Hydrologic Applications

Chairs: William Pichel (NOAA) and Marcel St-Pierre (CSA)

1:00 FEMA and SAR
1:20 Land-Use Operational Applications from Around the World
1:40 Snow Mapping for Water Equivalent
2:00 Soil Moisture Maps for Agriculture

2:20 BREAK (exhibits closed)

2:40 Environmental (Biological) Applications
3:00 Ground Water Mapping
3:20 Iceberg Detection and Right-of-Way Encroachment

3:40 Closing Remarks (Rolf Mamen and Helen Wood)

4:00 END of SYMPOSIUM